The Science of the Total Environment, 73 (1988) 291–292
Elsevier Science Publishers B.V., Amsterdam — Printed in The Netherlands

Contents

VOLUME 73 (1988)

(Abstracted/Indexed in: Biol. Abstr., Chem. Abstr., Curr. Contents AB & ES, Environ. Period. Bibliogr., Excerpta Med., Geo Abstr., Oceanogr. Lit. Rev., PASCAL/CNRS, Selected Water Resour. Abstr.)

Special Issue: Organosilicon and Related Group IV Species in the Aquatic Environment: A Collection of Papers Presented at a Symposium held in Anateim, CA, U.S.A., 7–12 September 1986

Distribution of silicones in water, sediment and fish in Japanese rivers
N. Watanabe, H. Nagase and Y. Ose (Gifu, Japan) 1
Historical record of silicones in sediment
R.E. Pellenbarg (Washington, DC, U.S.A.) 11
The environmental fate and ecological impact of organosilicon materials: A review
C.L. Frye (Midland, MI, U.S.A.) 17
Silicone as a trace contaminant in laboratory solvents
R.E. Pellenbarg and D.E. Tevault (Washington, DC, U.S.A.) 23
Possible methylation of inorganic mercury by silicones in the environment
H. Nagase, Y. Ose and T. Sato (Gifu, Japan) 29
A comparison of the rates of methylation of mercury(II) species in aquatic media by various organotin and organosilicon moieties
J.M. Bellama, K.L. Jewett, W.F. Manders and J.D. Nies (College Park, MD, U.S.A.) . 39
Polydimethylsiloxanes associated with indoor and outdoor airborne particles
C.J. Weschler (Red Bank, NJ, U.S.A.) 53
Measurement of atmospheric pollutants by Raman spectroscopy
D.E. Tevault and R.E. Pellenbarg (Washington, DC, U.S.A.) 65
Kinetics of thermal depolymerization of trimethylsiloxy end-blocked polydimethylsiloxane and polydimethylsiloxane-*N*-phenylsilazane copolymer
M. Zeldin, D.W. Kang, G.P. Rajendran, B. Qian and S.J. Choi (Indianapolis, IN, U.S.A.) 71
On the thermal decomposition of polydimethylsiloxanes
J.M. Bellama and W.F. Manders (College Park, MD, U.S.A.). 87
Silicon as a trace nutrient
E.M. Carlisle (Los Angeles, CA, U.S.A.) 95
A review of the biogeochemistry of germanium in natural waters
B.L. Lewis, M.O. Andreae (Tallahassee, FL, U.S.A.), P.N. Froelich and R.A. Mortlock (Palisades, NY, U.S.A.) 107
Organoleads in the environment: A review
A.W.P. Jarvie (Birmingham, U.K.) 121
Environmental methylation of tin: An assessment
J.R. Ashby and P.J. Craig (Leicester, U.K.). 127
Role of biogenic thiols in the solubility of sulfide minerals
D. Shea and W.A. MacCrehan (Gaithersburg, MD, U.S.A.). 135

End of special issue papers

The release of humic substances from *Spartina alterniflora* (Loisel.) into sea water as influenced by salt marsh indigenous microorganisms
Z. Filip (Langen, F.R.G.) and J.J. Alberts (Sapelo Island, GA, U.S.A.) 143

The mutagenicity of ambient air particles from local traffic and distant sources during episodes with moderate photochemical air pollution
W.K. de Raat and F.A. de Meijere (Delft, The Netherlands) 159
Mercury content of some marine fish from the southern Caribbean Sea
K.P. Shrestha, R. Noguera, J. Chopite and P. Sosa (Cumaná, Venezuela) 181
Effects of chemical pollution on the activities of hepatic xenobiotic metabolizing enzymes in fish from the River Rhône
G. Monod, A. Devaux and J.L. Riviere (Charbonnières, France) 189
A comparison of different life strategies and morphological types of plants with respect to seasonal particle deposition
P. Kovář (Průhonice, Czechoslovakia) 203
The collection of fog droplets by a jet impaction stage
A. Berner (Wein, Austria) 217
Pesticide use related to cancer incidence as studied in a rural district of Hungary
A. Páldy (Budapest, Hungary), N. Puskás (Nyiregyháza, Hungary) and I. Farkas (Budapest, Hungary) 229
Calibration of a solid state nuclear track detector for the measurement of indoor levels of radon and its daughters
M.C. Subba Ramu, T.S. Muraleedharan and T.V. Ramachandran (Bombay, India) . . . 245
PAH determination in samples of environmental interest
L. Morselli and S. Zappoli (Bologna, Italy) 257

Short Communications
Changes in the activity of erythrocyte glutathione peroxidase associated with magnetic fields
J. Braven and A.S. Fisher (Plymouth, U.K.) 267
Atmospheric deposition of arsenic and selenium across Canada using Sphagnum moss as a biomonitor
W.A. Glooschenko and N. Arafat (Burlington, Ont., Canada) 269

Book Reviews 277
Announcements 287
New Books 288
Author Index 289
Subject Index 290